

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/028759 A1

(51) International Patent Classification⁷: E02D 27/48, 5/28

(21) International Application Number:
PCT/IT2003/000568

(22) International Filing Date:
24 September 2003 (24.09.2003)

(25) Filing Language: Italian

(26) Publication Language: English

(71) Applicant (for all designated States except US): SO.L.E.S.
- SOCIETÀ LAVORI EDILI E SERBATOI S.P.A.
[IT/IT]; Via Gramadora, 5, Villa Selva, I-47100 Forlì (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): COLLINA, Vin-
cenzo [IT/IT]; Via Scaletta, 4, I-47100 Villagrappa (IT).

ZAGO, Roberto [IT/IT]; Via Mascagni, 8, I-38068
Rovereto (IT). ZAMBIANCHI, Lamberto [IT/IT]; Via
dei Prati, 1, I-47010 Villafranca (IT).

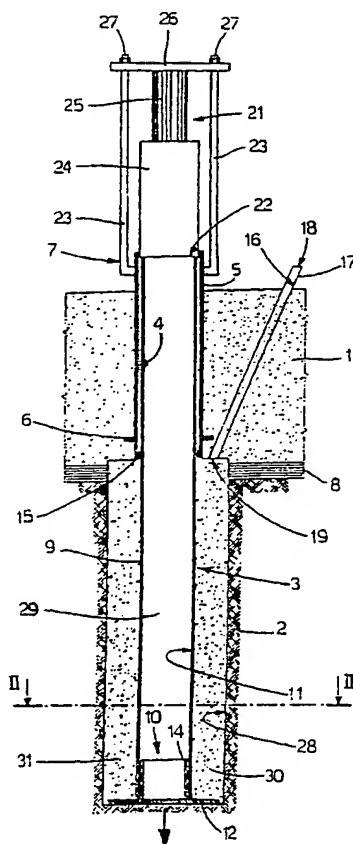
(74) Agents: JORIO, Paolo et al.; C/o Studio Torta S.r.l., Via
Viotti, 9, 10121 Torino (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: METHOD OF CONSTRUCTING A PILE FOUNDATION



(57) Abstract: A method of constructing a pile foundation, wherein a foundation structure (1) is built on the ground (2), and has at least one through hole (4), and a connecting member (5) fixed to the foundation structure (1), adjacent to the hole (4), and having at least one portion (7) projecting upwards; a pile (3) is inserted through the hole (4); and a number of thrusts are applied statistically on the pile (3), to drive the pile (3) into the ground (2), by means of a thrust device (21), which is located over the pile (3), cooperates with a top end (22) of the pile (3), and is connected to the projecting portion (7) of the connecting member (5) which, when driving the pile, acts as a reaction member for the thrust device (21).



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

(48) Date of publication of this corrected version:

4 August 2005

(15) Information about Correction:

see PCT Gazette No. 31/2005 of 4 August 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.